

PATENT ABSTRACTS OF JAPAN

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(54) CONDUCTIVE POROUS BODY AND METALLIC POROUS BODY USING THE SAME, AND ELECTRODE PLATE FOR BATTERY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a conductive porous body capable of manufacturing a metal porous body having a low electric resistance value with excellent productivity and production efficiency, a metal porous body having a low electrical resistance value and capable of improving the charging and discharging efficiency in case of using it as an electrode plate for battery, and an electrode plate for battery having superior charging and discharging efficiency.

SOLUTION: A conductive porous body is formed by forming a surface of a porous body as a core material made of the synthetic resin, having a continuous hole structure with a conductive layer of the aggregate of silver fine grains. The metal porous body is formed by forming a surface of the conductive porous body with a continuous plate layer with electroplating using the conductive porous body for negative electrode. Furthermore, an electrode plate for battery is formed of the metal porous body as the main body.